

## Claims:

1. A relief cylinder structure (1) for guiding a roll in a multinip calender, said relief cylinder structure comprising at least:
- 5       - a frame (2):
- an arm (3) that is arranged to move linearly in relation to the frame,
- a quick-opening cylinder (6) and
- a hydraulic coupling (5,8),
- 10       **characterized** in that the quick-opening cylinder (6) is placed inside the arm (3).
2. The relief cylinder structure (1) according to claim 1, **characterized** in that the relief cylinder structure (1) also comprises
- 15       at least an auxiliary piston (7) that is arranged to move linearly in the quick-opening cylinder (6), in parallel to the arm (3) and the frame (2).
3. The relief cylinder structure (1) according to claim 1, **characterized** in that the volume of the quick-opening cylinder (6) is
- 20       at its largest when the total length of the relief cylinder structure (1) is at its longest.
4. The relief cylinder structure (1) according to claim 1, **characterized** in that the volume of the quick-opening cylinder (6) is
- 25       at its smallest when the total length of the relief cylinder structure (1) is at its shortest.
5. The relief cylinder structure (1) according to claim 1, **characterized** in that the first hydraulic coupling (5) is placed
- 30       substantially at the end of the frame (2), and the second hydraulic coupling (8) is placed substantially at the end of the arm (3).
6. An arm (3) used in a relief cylinder structure (1), **characterized** in that the arm (3) comprises at least a quick-opening
- 35       cylinder (6) placed therein.

7. The arm (3) according to claim 6, used in a relief cylinder structure (1), **characterized** in that the arm (3) also comprises at least
- 5       - an auxiliary piston (7) that is arranged to move in the quick-opening cylinder, and
- a hydraulic coupling (8) placed substantially at the end of the arm (3).
- 10   8. The arm according to claim 7, used in a relief cylinder structure (1), **characterized** in that the auxiliary piston (7) is arranged to move linearly in the quick-opening cylinder (6), in parallel to the arm (3) and the frame (2).